

Sub A1
cont.

solution polymerization in one reactor of an assembly of two or more reactors connected in parallel or in series and the other constituents of the mixture are produced in the other reactors after which the polyolefins are mixed in solution, or b) the amorphous polyolefin having a high molar mass is prepared by solution polymerization in one reactor and the other constituents of the mixture are introduced in the form of a polymer solution into the solution flowing from the reactor, and the solution of polymer mixture obtained according to a) or b) is homogenized and the solvent is separated off.

12. The process as claimed in claim 11, wherein the amorphous polyolefin having a high molar mass has a VN of > 80 ml/g and an M_w of > 90,000 g/mol.

13. The process as claimed in claim 11, wherein the amorphous polyolefin having a high molar mass has a VN of > 100 ml/g and an M_w of > 100,00 g/mol.

14. The process as claimed in claim 11, wherein the amorphous polyolefin having a high molar mass has a VN of > 120 ml/g and an M_w of > 120,000 g/mol.

15. The process as claimed in claim 11, wherein the amorphous polyolefin having a high molar mass has a VN of > 150 ml/g and an M_w of > 150,000 g/mol.

16. The process as claimed in claim 11, wherein the amorphous polyolefin is a cycloolefin copolymer.

17. The process as claimed in claim 11, wherein the bimodal or multimodal mixture comprises at least one cycloolefin copolymer comprising from 0.1 to 100% by weight, based on the total mass of the cycloolefin copolymer, of polymerized units derived from at least one polycyclic olefin of the formula I, II, II', III, IV, V or VI.

